

Mohammed Anbar

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

105
papers

969
citations

15
h-index

25
g-index

117
ext. papers

1,530
ext. citations

1.8
avg, IF

5.29
L-index

#	Paper	IF	Citations
105	Internet of Things (IoT) communication protocols: Review 2017 ,		173
104	. <i>IEEE Sensors Journal</i> , 2021 , 21, 2422-2433	4	31
103	Variants of the Low-Energy Adaptive Clustering Hierarchy Protocol: Survey, Issues and Challenges. <i>Electronics (Switzerland)</i> , 2018 , 7, 136	2.6	30
102	Energy efficient multi-hop path in wireless sensor networks using an enhanced genetic algorithm. <i>Information Sciences</i> , 2019 , 500, 259-273	7.7	28
101	ICMPv6-Based DoS and DDoS Attacks and Defense Mechanisms: Review. <i>IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India)</i> , 2017 , 34, 390-407	1.5	27
100	Intrusion detection system based on a modified binary grey wolf optimisation. <i>Neural Computing and Applications</i> , 2020 , 32, 6125-6137	4.8	27
99	DNS rule-based schema to botnet detection. <i>Enterprise Information Systems</i> , 2021 , 15, 545-564	3.5	26
98	Impact of coronavirus pandemic crisis on technologies and cloud computing applications. <i>Journal of Electronic Science and Technology</i> , 2021 , 19, 100059	2.6	24
97	VPPCS: VANET-Based Privacy-Preserving Communication Scheme. <i>IEEE Access</i> , 2020 , 8, 150914-150928	3.5	21
96	An Intelligent ICMPv6 DDoS Flooding-Attack Detection Framework (v6IIDS) using Back-Propagation Neural Network. <i>IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India)</i> , 2016 , 33, 244-255	1.5	20
95	Anomaly-based intrusion detection system using multi-objective grey wolf optimisation algorithm. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2020 , 11, 3735-3756	3.7	20
94	A Machine Learning Approach to Detect Router Advertisement Flooding Attacks in Next-Generation IPv6 Networks. <i>Cognitive Computation</i> , 2018 , 10, 201-214	4.4	19
93	Evolving Fuzzy Neural Network for Phishing Emails Detection. <i>Journal of Computer Science</i> , 2012 , 8, 1099-1107	1.8	18
92	Internet of Things Market Analysis Forecasts, 2020-2030 2020 ,		16
91	Comparative performance analysis of classification algorithms for intrusion detection system 2016 ,		16
90	Efficient Route Discovery and Link Failure Detection Mechanisms for Source Routing Protocol in Mobile Ad-Hoc Networks. <i>IEEE Access</i> , 2020 , 8, 24019-24032	3.5	15
89	Intrusion Detection Systems of ICMPv6-based DDoS attacks. <i>Neural Computing and Applications</i> , 2018 , 30, 45-56	4.8	15

88	Flow-Based IDS for ICMPv6-Based DDoS Attacks Detection. <i>Arabian Journal for Science and Engineering</i> , 2018 , 43, 7757-7775	2.5	14
87	Detection Techniques of Distributed Denial of Service Attacks on Software-Defined Networking Controller A Review. <i>IEEE Access</i> , 2020 , 8, 143985-143995	3.5	14
86	Comparison of Classification Algorithms on ICMPv6-Based DDoS Attacks Detection. <i>Lecture Notes in Electrical Engineering</i> , 2019 , 347-357	0.2	14
85	An Efficient Identity-Based Conditional Privacy-Preserving Authentication Scheme for Secure Communication in a Vehicular Ad Hoc Network. <i>Symmetry</i> , 2020 , 12, 1687	2.7	12
84	Design, deployment and use of HTTP-based botnet (HBB) testbed 2014 ,		12
83	An Online Model on Evolving Phishing E-mail Detection and Classification Method. <i>Journal of Applied Sciences</i> , 2011 , 11, 3301-3307	0.3	12
82	Efficient Conditional Privacy Preservation With Mutual Authentication in Vehicular Ad Hoc Networks. <i>IEEE Access</i> , 2020 , 8, 144957-144968	3.5	12
81	A Survey of Botnet-Based DDoS Flooding Attacks of Application Layer. <i>Advances in Information Security, Privacy, and Ethics Book Series</i> , 2016 , 52-79	0.3	11
80	. <i>IEEE Access</i> , 2020 , 8, 170507-170518	3.5	11
79	Review on Detection Techniques against DDoS Attacks on a Software-Defined Networking Controller 2017 ,		10
78	Review of Security Vulnerabilities in the IPv6 Neighbor Discovery Protocol. <i>Lecture Notes in Electrical Engineering</i> , 2016 , 603-612	0.2	10
77	DAD-match; Security technique to prevent denial of service attack on duplicate address detection process in IPv6 link-local network. <i>PLoS ONE</i> , 2019 , 14, e0214518	3.7	9
76	. <i>IEEE Access</i> , 2020 , 8, 27122-27138	3.5	9
75	Review on mechanisms for detecting sinkhole attacks on RPLs 2017 ,		9
74	Review of Preventive Security Mechanisms for Neighbour Discovery Protocol. <i>Advanced Science Letters</i> , 2017 , 23, 11306-11310	0.1	9
73	Review of Prevention Schemes for Man-In-The-Middle (MITM) Attack in Vehicular Ad hoc Networks. <i>International Journal of Engineering and Management Research</i> , 2020 , 10, 153-158	0.4	9
72	Labeled flow-based dataset of ICMPv6-based DDoS attacks. <i>Neural Computing and Applications</i> , 2019 , 31, 3629-3646	4.8	9
71	Proposed DAD-match Security Technique based on Hash Function to Secure Duplicate Address Detection in IPv6 Link-local Network 2017 ,		8

70	Password-Guessing Attack-Aware Authentication Scheme Based on Chinese Remainder Theorem for 5G-Enabled Vehicular Networks. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 1383	2.6	8
69	Review of Prevention Schemes for Modification Attack in Vehicular Ad hoc Networks. <i>International Journal of Engineering and Management Research</i> , 2020 , 10, 149-152	0.4	8
68	Hybridizing Entropy Based Mechanism with Adaptive Threshold Algorithm to Detect RA Flooding Attack in IPv6 Networks. <i>Lecture Notes in Electrical Engineering</i> , 2019 , 315-323	0.2	8
67	Review of Prevention schemes for Replay Attack in Vehicular Ad hoc Networks (VANETs) 2020 ,		8
66	ICMPv6-Based DoS and DDoS Attacks Detection Using Machine Learning Techniques, Open Challenges, and Blockchain Applicability: A Review. <i>IEEE Access</i> , 2020 , 8, 170529-170547	3.5	8
65	Cloud Computing and Internet of Things Integration Systems: A Review. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 406-414	0.4	8
64	A New Set of Features for Detecting Router Advertisement Flooding Attacks 2017 ,		7
63	Rule-based detection technique for ICMPv6 anomalous behaviour. <i>Neural Computing and Applications</i> , 2018 , 30, 3815-3824	4.8	7
62	Proposed DAD-match Mechanism for Securing Duplicate Address Detection Process in IPv6 Link-Local Network Based on Symmetric-Key Algorithm. <i>Lecture Notes in Electrical Engineering</i> , 2018 , 108-118	0.2	6
61	Network traffic classification A comparative study of two common decision tree methods: C4.5 and Random forest 2014 ,		6
60	Performance Assessment of AGRED, RED and GRED Congestion Control Algorithms. <i>Information Technology Journal</i> , 2012 , 11, 255-261	0.7	6
59	Hybrid Monitoring Technique for Detecting Abnormal Behaviour in RPL-Based Network. <i>Journal of Communications</i> , 2018 , 198-208	0.5	6
58	Review on Common IoT Communication Technologies for Both Long-Range Network (LPWAN) and Short-Range Network. <i>Advances in Intelligent Systems and Computing</i> , 2021 , 341-353	0.4	6
57	An overview of DDoS attacks based on DNS 2016 ,		6
56	Review on Feature Selection Algorithms for Anomaly-Based Intrusion Detection System. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 605-619	0.4	6
55	A Secure Pseudonym-Based Conditional Privacy-Preservation Authentication Scheme in Vehicular Ad Hoc Networks.. <i>Sensors</i> , 2022 , 22,	3.8	6
54	SE-CPPA: A Secure and Efficient Conditional Privacy-Preserving Authentication Scheme in Vehicular Ad-Hoc Networks.. <i>Sensors</i> , 2021 , 21,	3.8	6
53	DHCPv6Auth: a mechanism to improve DHCPv6 authentication and privacy. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2020 , 45, 1	1	5

52	DDoS attack aware environment with secure clustering and routing based on RPL protocol operation. <i>IET Circuits, Devices and Systems</i> , 2019 , 13, 748-755	1.1	5
51	Neighbor-Passive Monitoring Technique for Detecting Sinkhole Attacks in RPL Networks 2017 ,		5
50	TrustQR: A New Technique for the Detection of Phishing Attacks on QR Code. <i>Advanced Science Letters</i> , 2016 , 22, 2905-2909	0.1	5
49	DAD-Match: Technique to Prevent DoS Attack on Duplicate Address Detection Process in IPv6 Link-local Network. <i>Journal of Communications</i> , 2018 , 317-324	0.5	5
48	Design of Cloud Computing Load Balance System Based on SDN Technology. <i>Lecture Notes in Electrical Engineering</i> , 2020 , 123-133	0.2	5
47	Detection and Defense Mechanisms on Duplicate Address Detection Process in IPv6 Link-Local Network: A Survey on Limitations and Requirements. <i>Arabian Journal for Science and Engineering</i> , 2019 , 44, 3745-3763	2.5	5
46	Proposed statistical-based approach for detecting distribute denial of service against the controller of software defined network (SADDCS). <i>MATEC Web of Conferences</i> , 2018 , 218, 02012	0.3	5
45	Detection Techniques for DDoS Attacks in Cloud Environment: Review Paper. <i>Lecture Notes in Networks and Systems</i> , 2019 , 337-354	0.5	4
44	. <i>IEEE Access</i> , 2019 , 7, 73144-73156	3.5	4
43	A Proposed Framework for Outsourcing and Secure Encrypted Data on OpenStack Object Storage (Swift). <i>Journal of Computer Science</i> , 2015 , 11, 590-597	0.5	4
42	Statistical cross-relation approach for detecting TCP and UDP random and sequential network scanning (SCANS). <i>International Journal of Computer Mathematics</i> , 2012 , 89, 1952-1969	1.2	4
41	Review on Security in Bluetooth Low Energy Mesh Network in Correlation with Wireless Mesh Network Security 2019 ,		4
40	Towards Identity-Based Conditional Privacy-Preserving Authentication Scheme for Vehicular Ad Hoc Networks. <i>IEEE Access</i> , 2021 , 9, 113226-113238	3.5	4
39	NADTW: new approach for detecting TCP worm. <i>Neural Computing and Applications</i> , 2017 , 28, 525-538	4.8	3
38	A Performance Study of Hidden Markov Model and Random Forest in Internet Traffic Classification. <i>Lecture Notes in Electrical Engineering</i> , 2016 , 319-329	0.2	3
37	Earlier stage for straggler detection and handling using combined CPU test and LATE methodology. <i>International Journal of Electrical and Computer Engineering</i> , 2020 , 10, 4910	1.4	3
36	New Architecture Design of Cloud Computing Using Software Defined Networking and Network Function Virtualization Technology. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 705-713	0.4	3
35	Overview of IPv6 Based DDoS and DoS Attacks Detection Mechanisms. <i>Communications in Computer and Information Science</i> , 2020 , 153-167	0.3	3

34	Theory-Based Model and Prediction Analysis of Information Security Compliance Behavior in the Saudi Healthcare Sector. <i>Symmetry</i> , 2020 , 12, 1544	2.7	3
33	Preventing Denial of Service Attacks on Address Resolution in IPv6 Link-local Network: AR-match Security Technique. <i>Lecture Notes in Electrical Engineering</i> , 2019 , 305-314	0.2	3
32	Security and Privacy Schemes in Vehicular Ad-Hoc Network With Identity-Based Cryptography Approach: A Survey. <i>IEEE Access</i> , 2021 , 9, 121522-121531	3.5	3
31	Hybrid rule-based botnet detection approach using machine learning for analysing DNS traffic. <i>PeerJ Computer Science</i> , 2021 , 7, e640	2.7	3
30	A Labeled Transactions-Based Dataset on the Ethereum Network. <i>Communications in Computer and Information Science</i> , 2021 , 61-79	0.3	3
29	A Review of Botnet Detection Approaches Based on DNS Traffic Analysis. <i>Lecture Notes in Networks and Systems</i> , 2019 , 305-321	0.5	2
28	IPv6 OS Fingerprinting Methods: Review. <i>Lecture Notes in Computer Science</i> , 2017 , 661-668	0.9	2
27	A REVIEW OF PEER-TO-PEER BOTNET DETECTION TECHNIQUES. <i>Journal of Computer Science</i> , 2014 , 10, 169-177	0.5	2
26	Botnets Detecting Attack Based on DNS Features 2018 ,		2
25	Genetic algorithm based protocols to select cluster heads and find multi-hop path in wireless sensor networks: review. <i>MATEC Web of Conferences</i> , 2018 , 218, 03019	0.3	2
24	A Detailed Analysis on Intrusion Identification Mechanism in Cloud Computing and Datasets. <i>Communications in Computer and Information Science</i> , 2021 , 550-573	0.3	2
23	Cloud Data Center Selection Using a Modified Differential Evolution. <i>Computers, Materials and Continua</i> , 2021 , 69, 3179-3204	3.9	2
22	Flow-Based Approach to Detect Abnormal Behavior in Neighbor Discovery Protocol (NDP). <i>IEEE Access</i> , 2021 , 9, 45512-45526	3.5	2
21	Intrusion detection system based on hybridizing a modified binary grey wolf optimization and particle swarm optimization. <i>Expert Systems With Applications</i> , 2022 , 204, 117597	7.8	2
20	Propose a New Approach for Securing DHCPv6 Server in IPv6 Link-Local Network. <i>Lecture Notes in Networks and Systems</i> , 2019 , 365-376	0.5	1
19	Mechanism to prevent the abuse of IPv6 fragmentation in OpenFlow networks. <i>PLoS ONE</i> , 2020 , 15, e0232574	3.7	1
18	Behaviour Based Worm Detection and Signature Automation. <i>Journal of Computer Science</i> , 2011 , 7, 1724-1728	1	1
17	An Investigation Towards Worms Detection Approaches over Network 2011 ,		1

16	A Rule-Based Mechanism for Detecting HTTP Denial of Service Attacks During Flash Crowd Event. <i>Advanced Science Letters</i> , 2017 , 23, 5423-5425	0.1	1
15	Intrusion Detection Systems in Fog Computing [A Review]. <i>Communications in Computer and Information Science</i> , 2021 , 481-504	0.3	1
14	Ensemble Feature Selection Approach for Detecting Denial of Service Attacks in RPL Networks. <i>Communications in Computer and Information Science</i> , 2021 , 340-360	0.3	1
13	Proposed Mechanism Based on Genetic Algorithm to Find the Optimal Multi-hop Path in Wireless Sensor Networks. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 510-522	0.4	1
12	Proposed Efficient Conditional Privacy-Preserving Authentication Scheme for V2V and V2I Communications Based on Elliptic Curve Cryptography in Vehicular Ad Hoc Networks. <i>Communications in Computer and Information Science</i> , 2021 , 588-603	0.3	1
11	Entropy-Based Approach to Detect DDoS Attacks on Software Defined Networking Controller. <i>Computers, Materials and Continua</i> , 2021 , 69, 373-391	3.9	1
10	The Importance of IDS and IPS in Cloud Computing Environment: Intensive Review and Future Directions. <i>Communications in Computer and Information Science</i> , 2021 , 479-491	0.3	1
9	A Rule-based Approach to Detect Botnets based on DNS 2018 ,		1
8	Hierarchical Naming Scheme in Named Data Networking for Internet of Things: A Review and Future Security Challenges. <i>IEEE Access</i> , 2022 , 10, 19958-19970	3.5	1
7	Propose a Flow-Based Approach for Detecting Abnormal Behavior in Neighbor Discovery Protocol (NDP). <i>Communications in Computer and Information Science</i> , 2021 , 401-416	0.3	0
6	Information Theory-based Approaches to Detect DDoS Attacks on Software-defined Networking Controller a Review. <i>International Journal of Education and Information Technologies</i> , 2021 , 15, 83-94	0.4	0
5	. <i>IEEE Access</i> , 2021 , 9, 123012-123028	3.5	0
4	Performance Evaluation for Four Supervised Classifiers in Internet Traffic Classification. <i>Communications in Computer and Information Science</i> , 2020 , 168-181	0.3	
3	Securing Software Defined Networking Using Intrusion Detection System - A Review. <i>Communications in Computer and Information Science</i> , 2021 , 417-446	0.3	
2	Conceptualizing Distrust Model with Balance Theory and Multi-Faceted Model for Mitigating False Reviews in Location-Based Services (LBS). <i>Symmetry</i> , 2019 , 11, 1118	2.7	
1	Proposing a New Approach for Securing DHCPv6 Server Against Rogue DHCPv6 Attack in IPv6 Network. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 579-587	0.4	